



CP/3617

PATENT

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Spec

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GROUP 3600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Alberto Alvarez-Calderon F. Group Art Unit: 3617  
Serial N<sup>o</sup>: 09/672,190 Examiner: E. Swinehart  
Filed: September 28, 2000 Attorney Docket N<sup>o</sup>: 1186-001  
For: TRANSONIC HULL AND HYDROFIELD II

AMENDMENT PURSUANT TO 37 C.F.R. § 1.111

Honorable Commissioner of Patents and Trademarks  
Box RESPONSES/ NO FEE  
Washington, DC 20231

Dear Sir:

In response to the Notice of Non-Compliant Amendment of July 3, 2002, Paper N<sup>o</sup> 5, in the above-entitled application, please enter the following response:

IN THE SPECIFICATION

Please add the ready for print specification as printed below.

AMENDED SPECIFICATION IN READY-TO-PRINT FORMAT

**Background of the Invention**

**1. Technical Field**

The present invention relates to improvements on Transonic Hull (TH), and transonic hydrofield (TH), of Application 08/814,418. More particularly, it pertains to certain relations between hydrostatic and hydrodynamic design parameters, to the relation between draft at the hull's stern, center of gravity position, speed regimes, effect of drag on hull's efficiency, and various other effects of draft at the hull's stern. The improvements have been established by means of TH/TH theory, and of tank and model testing, and have yielded important results for the utility of the TH invention.

Entry Approved for Please Review for Entry